

**Notice of Allowability**

Application No.

10/069,246

Examiner

Robert W. Wilson

Applicant(s)

OKUMURA, SEIJI

Art Unit

2616

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/31/06.
2. ☒ The allowed claim(s) is/are 1-54.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

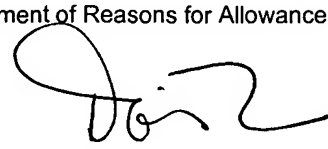
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 7/29/06 & 2/22/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
DORIS H. TO  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

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*Allowable Subject Matter*

Claims 1-54 are allowed.

The closest prior art is Fukushima (6,587,985). The following is an Examiner's statement of reasons for allowance:

Claims 1-54 are considered allowable since when reading the claims in light of the specification, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in the independent claims including:

“retransmission buffer deleting means for comparing the sequence numbers of the packets stored in the retransmission buffer to the latest sequence number notified by the retransmission-request receiving means, and deleting packets from the retransmission buffer based on the comparison” as specified in claims 1 & 3.

“wherein the retransmission-request transmitting means is operable to include a latest sequence number in the retransmission-request packet, the latest sequence number being the sequence number of the packet most recently-received and provided to the request application unit” as specified in claim 2.

“a retransmission buffer deleting step for comparing the sequence numbers of the packets stored in the retransmission buffer to the latest sequence number notified by the retransmission-request receiving step, and deleting packets from the retransmission buffer based on the comparison” as specified in claim 25 & 27.

“wherein the retransmission-request transmitting step includes a latest sequence number in the retransmission-request packet, the latest sequence number being the sequence number of the

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packet most recently received and provided to the request application unit” as specified in claim 26.

“retransmission means for retransmitting all packets detected by the retransmission packet detecting means to the reception apparatus, wherein a priority status of each packet being transmitted to the reception apparatus is dependent upon whether the corresponding sequence number exists in the retransmission buffer” as specified in claim 49.

Wherein, in response to receiving the retransmission-request packet, the transmission apparatus notified the reception apparatus whether the sequence number stored in the retransmission-request list exists in the retransmission buffer, thereby indicating to the reception apparatus a priority status associated with the lost packet” as specified in claim 50.

“wherein in response to receiving the retransmission-request packet, the transmission apparatus notifies the reception apparatus whether the sequence number stored in the retransmission-request list exists in the retransmission buffer, thereby indicating to the reception apparatus a priority status associated with the lost packet” as claimed in claim 51.

“wherein a priority status of each packet being transmitted to the reception apparatus is dependent upon whether the corresponding sequence number exists in the retransmission buffer” as specified in claim 52.

“wherein, in response to receiving the retransmission-request packet, the transmission apparatus notifies the reception apparatus whether the sequence number stored in the retransmission-request list exists in the retransmission buffer, thereby indicating to the retransmission apparatus a priority status associated with the lost packet” as specified in claim 53.

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“wherein in response to receiving the retransmission-request packet, the transmission apparatus notifies the reception apparatus whether the sequence number stored in the retransmission-request list exists in the retransmission buffer, thereby indicating to the reception apparatus a priority status associated with the lost packet” as specified in claim 54.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

#### *Conclusion*

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert W. Wilson whose telephone number is 571/272-3075. The examiner can normally be reached on M-F (8:00-4:30).

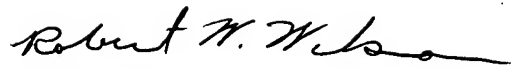
If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Doris To can be reached on 571/272-7629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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A handwritten signature in black ink, appearing to read "Robert W. Wilson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Robert W Wilson

Examiner

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RWW

10/11/06